

**SMALL, HIGH PERFORMANCE
InGaAs CAMERA**

Xenics
EXOSENS GROUP

Wildcat 640 Series



*SMALL, HIGH PERFORMANCE InGaAs CAMERA
WITH LOW NOISE AND HIGH DYNAMIC RANGE*

KEY FEATURES



HIGH-RESOLUTION SWIR IMAGING



INDUSTRY PROVEN CAMERA DESIGN

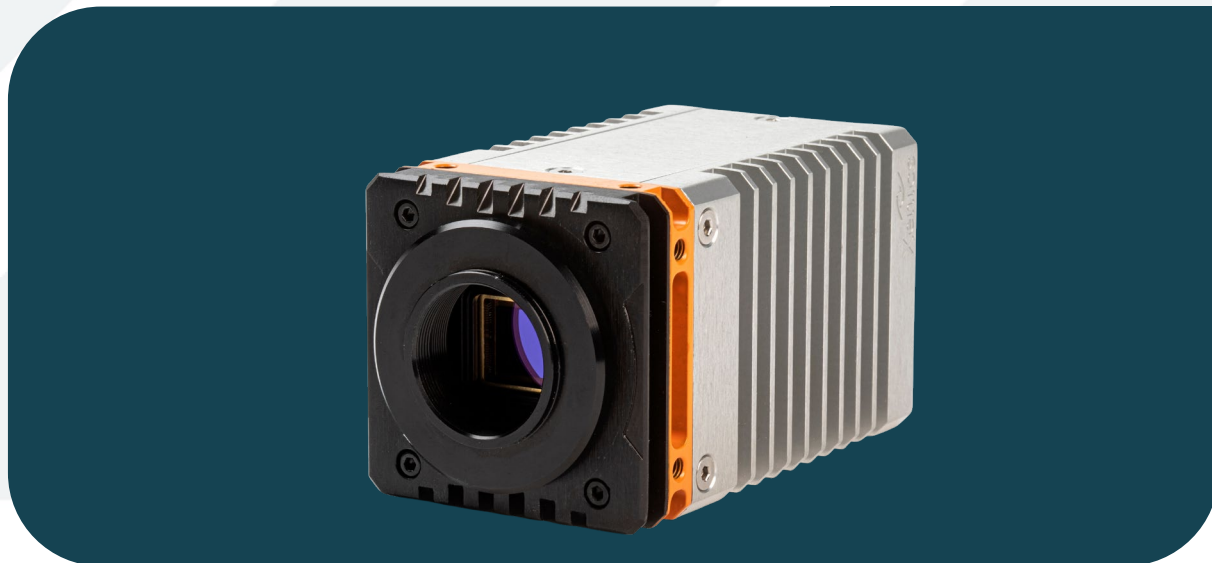


LOW NOISE AND HIGH DYNAMIC RANGE

The Wildcat 640 series is based on an in-house developed, temperature stabilized InGaAs detector with a 640 x 512 pixel resolution.

The cameras have standard on-board image correction featuring non-uniformity correction (NUC), bad pixel replacement (BPR) and automatic gain control (AGC). The Wildcat 640 is suitable for SWIR hyperspectral imaging, semiconductor inspection and laser beam analysis.

Wildcat 640 Series



KEY PERFORMANCES

Image format / Pixel pitch	640 x 512 pixels / 20 μ m
Detector type	InGaAs photodiode array with CTIA ROIC
Sensor temperature stabilization	TE cooler
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm
Max frame rate (full frame)	110 Hz or 220 Hz
Power consumption	<7 W
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

Command and control	CameraLink Base or USB3 Vision
Connector trigger	Lemo 1B.308 (unified connector)
Camera dimensions (width x height x length)	55 mm x 55 mm x 72 mm (CL); 55 mm x 55 mm x 91.5 mm (U3V)
Optical interface	C-mount or M42
Camera weight	316 gr (CL); 358 gr (U3V)

PRODUCT SELECTOR GUIDE

XEN-000676 (Wildcat 640 CL 100)	XEN-000662 (Wildcat 640 U3V 100)
XEN-000680 (Wildcat 640 CL 200)	XEN-000679 (Wildcat 640 U3V 200)

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